# PATENT ABSTRACTS OF JAPAN

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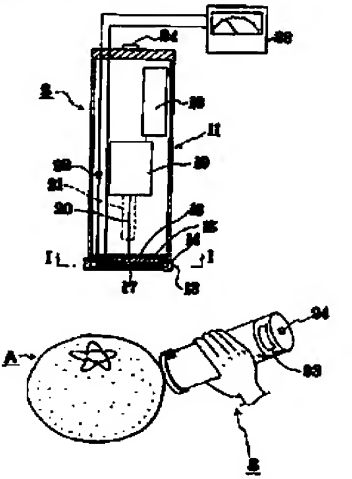
## (54) METHOD AND SENSOR FOR JUDGING RIPENING DEGREE OF FRUIT AND THE LIKE

(57)Abstract:
PURPOSE: To detect ripening degree readily without damaging a fruit by measuring the change in conductivity or dielectric constant of the fruit and the like with a ripening-degree judging sensor, and judging the ripening degree of the content.
CONSTITUTION: The head of a ripening-degree judging sensor S is brought close to or into contact with the surface of the exodermis of a fruit A. When an operating switch 24 is turned ON, a high-frequency electromagnetic field is applied on an exciting electrode 16 from a high-frequency oscillator 19. The electromagnetic wave oscillated in the electrode 16 is received with a receiving detecting coil 17. The result is displayed on a DC voltmeter 23 through a high-frequency detecting diode 22. Thus, a resonance peak is observed in a certain frequency. Namely, the resonance peak in a certain frequency is associated with conductivity. The resonance peak in a certain frequency is associated with dielectric constant. Therefore, the judging sensor S can detect the ripening degree by setting the frequency based on whether the inside of the fruit is conductive or inductive.



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(54)【発明の名称】　果実等の熟成度の判定方法及び熟成度判定センサ

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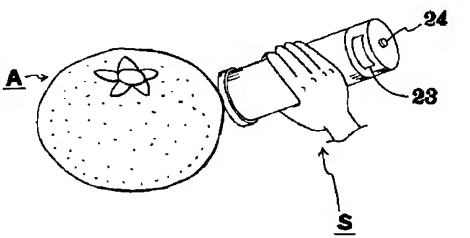

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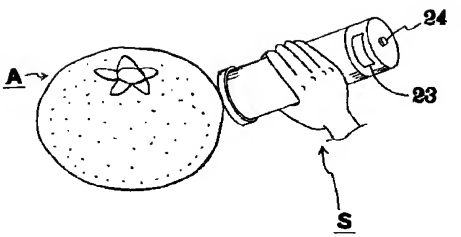

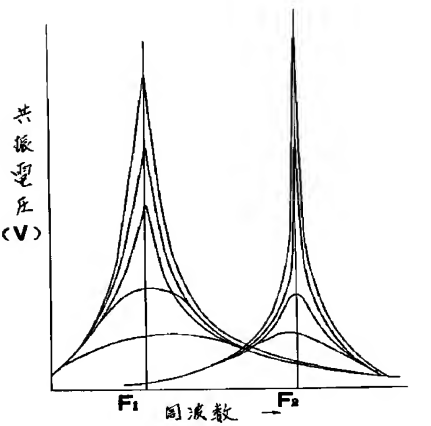
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